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LUMBER USED IN THE MANUFACTURE OF WOODEN PRODUCTS.

By J. C. Nellis, *Forest Examiner.*

The importance of the wood-working industries among the manufacturing industries of the country is indicated by the fact that lumber-working plants, of all classes, consume annually 24½ billion feet of wood. This is about 60 per cent of the annual lumber production of approximately 40 billion feet. The material is mostly lumber, but includes comparatively small quantities of veneer, bolts, and dimension stock.

This report presents statistics showing the average annual consumption of wood by the wood-working industries in the United States. The basic data were secured by a series of State wood-using industry studies. Those for the more important States have been published separately. Although the State studies were begun in 1909 and were not completed until 1913, a period of 12 months was made the basis for the statistics for each State, and the final figures for the whole country here presented are therefore a very good average of the demand of each industry and the demand for each kind of wood.

Lumber usually is remanufactured to a greater or less extent before use, and in this report the product of the sawmill is not considered. However, planing mills operated in connection with sawmills manufacture large quantities of flooring, ceiling, siding, finish and other patterns which really are finished products, and such material accordingly is covered by the statistics.

About 40 per cent of the annual lumber cut is not worked by planing mills or factories into finished products. About one-fifth of this (in normal times) is exported, while the rest is used in general building and rough construction. Though all construction lumber requires cutting to length to make it fit into place, this industry was not considered by the studies, which canvassed only the wood-working factories. All imported woods used by factories are included in the statistics.

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The wood-using studies were intended to supplement the annual reports on the consumption of wood for lath, shingles, cooperage, veneer, pulp, distillation, poles, and ties, and these industries therefore are not covered in this report.

In the case of Louisiana, Arkansas, Minnesota, Montana, Idaho, Washington, and Oregon, the basis for compiling the figures for planing-mill products differs from the general plan of including only planing-mill patterns, in that nearly all dressed lumber, surfaced on from one to four sides, is also included in the figures for these States.

Figure 1 shows graphically the comparative amounts used by each important industry in each State.

Figure 2 shows graphically the comparative amounts of each important wood used in each State.

Table 1 gives detailed figures by industries and shows the amount of each kind of wood used by each industry.

The scope of the statistics for the industries with titles that are not entirely descriptive is as follows: Planing-mill products cover standard patterns such as flooring, ceiling, and siding made in large quantities by planing mills in lumber-producing regions, while sash, doors, blinds, and millwork usually are made in millwork plants in the consuming regions. However, considerable quantities of doors and door stock are made in the Pacific Coast States. Boxes and crates cover all kinds of packing boxes and crates made of lumber or veneer, and also fruit and vegetable packages and baskets. Car construction covers wooden construction in all types of railroad and electric cars, as well as in locomotives and mine cars. Furniture includes household and office furniture, except chairs, kitchen furniture, and fixtures in business buildings. Vehicles take in horse vehicles, automobiles, bicycles, pushcarts, and wheelbarrows. Woodenware and novelties embrace a thousand or more articles, such as kitchen utensils, wooden dishes, butter and cheese packages, measures, pails, wooden novelties of all kinds, ladders, and supplies for dairymen, poulterers, and apiarists. Fixtures are such as show cases, counters, bars, and lodge and church furnishings. Shade and map rollers include also curtain and rug poles and venetian blinds. Machine construction means wooden construction in machinery of all kinds. Shoe lasts, pegs, and shanks are boot and shoe findings. Four-sevenths of the wood used for professional and scientific instruments went for pencils, the rest for artists', photographers', and draftsmen's instruments, rules, and scientific apparatus. Billiard and pool tables, as well as gymnasium goods and all outdoor sporting goods, come under sporting and athletic goods. Mine equipment includes ventilating apparatus, brattices, breaker equipment, slope rollers, and sprags. Dowels are small rods used in fastening together furniture, fixtures, and doors. Under playground equipment come lawn swings and porch furniture.

The kinds of wood are classified according to rather broad commercial practice. The classification is practically the same as that used in the lumber census bulletins; figures on the several species of each family or group are combined under the common name.

Oak, maple, spruce, hemlock, birch, hickory, basswood, ash, elm, cedar,[1] willow, locust, and eucalyptus each covers its different species.

Yellow pine includes the southern yellow pines, North Carolina pines, and minor eastern yellow pines. Western yellow pine is listed separately; trade names for it are western pine, western soft pine, and California white pine.

White pine covers both northern and western (Idaho) white pine as well as Norway pine and jack pine.

Cottonwood takes in the cottonwoods, aspen (or popple), and balm of Gilead.

Tupelo includes cotton gum (called tupelo commercially), black gum, and water gum.

Larch includes western larch and eastern tamarack.

Mahogany covers all woods sold in this country as such.

White fir includes the botanical white fir as well as grand and silver (amabilis) fir; the other minor firs, noble, red, and alpine fir, usually sold as white fir, are listed separately.

All other kinds of wood listed are single species except that cypress, sycamore, cherry, dogwood, magnolia (cucumber, of the magnolia family, is shown separately), and buckeye are family names, but only one species of each is used commercially. Redwood sometimes includes lumber from the bigtree. The red-gum tree yields both commercial red and sap gum and both are covered herein by red gum.

[1] Spanish cedar is listed separately.

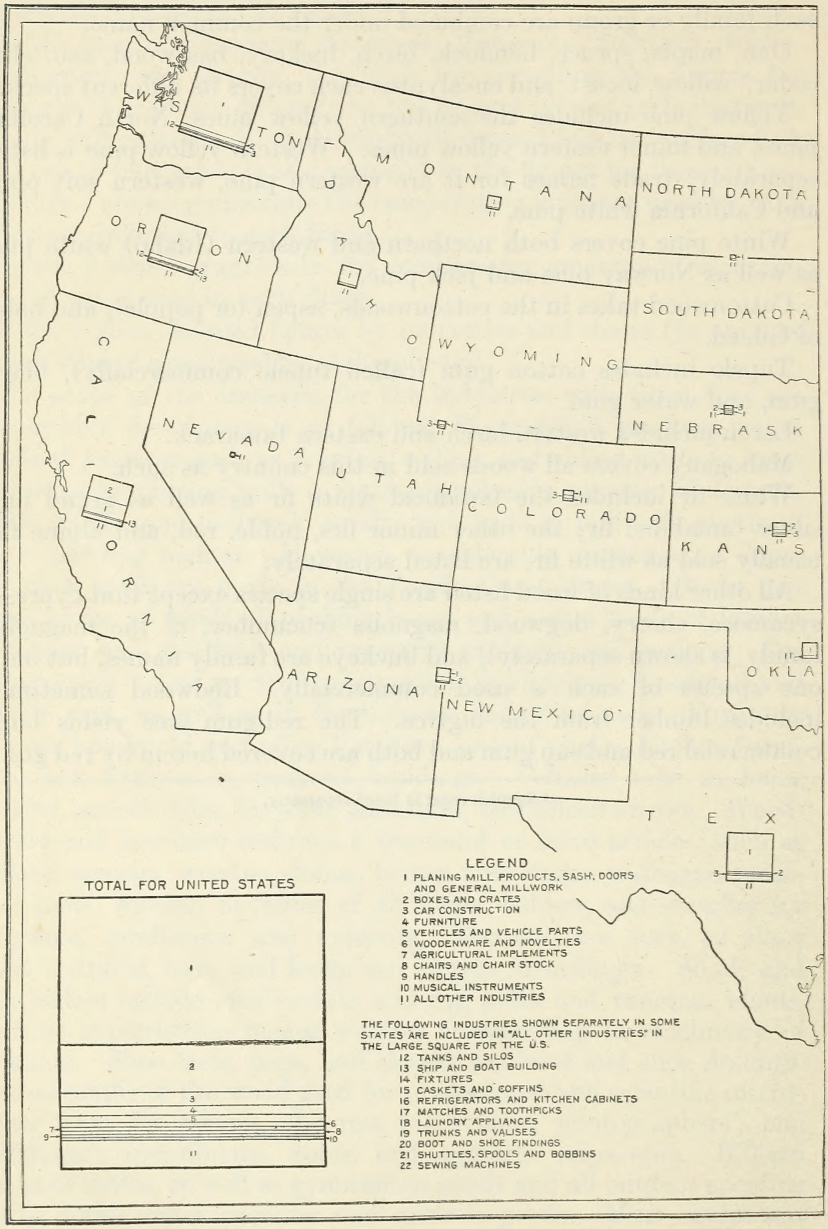
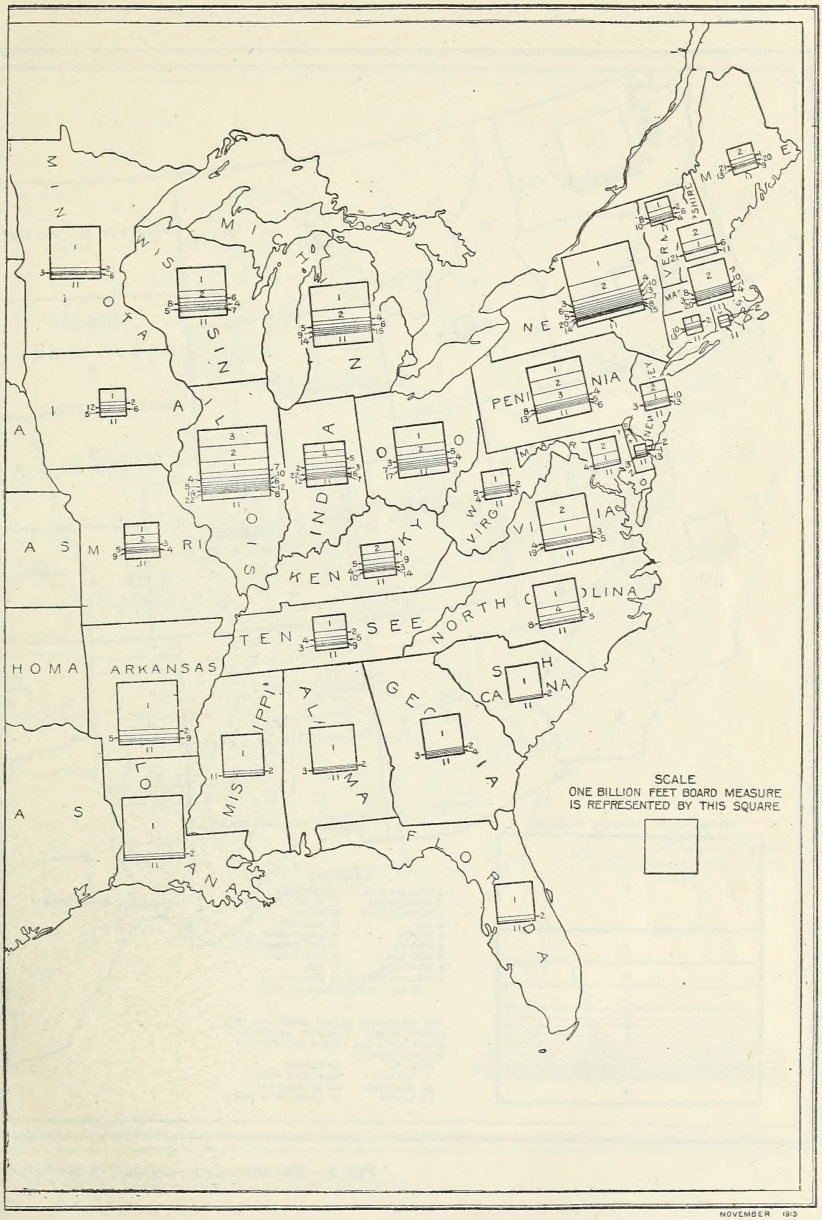


FIG. 1.—The annual consumption of wood by the



wood manufacturing industries (by industries).

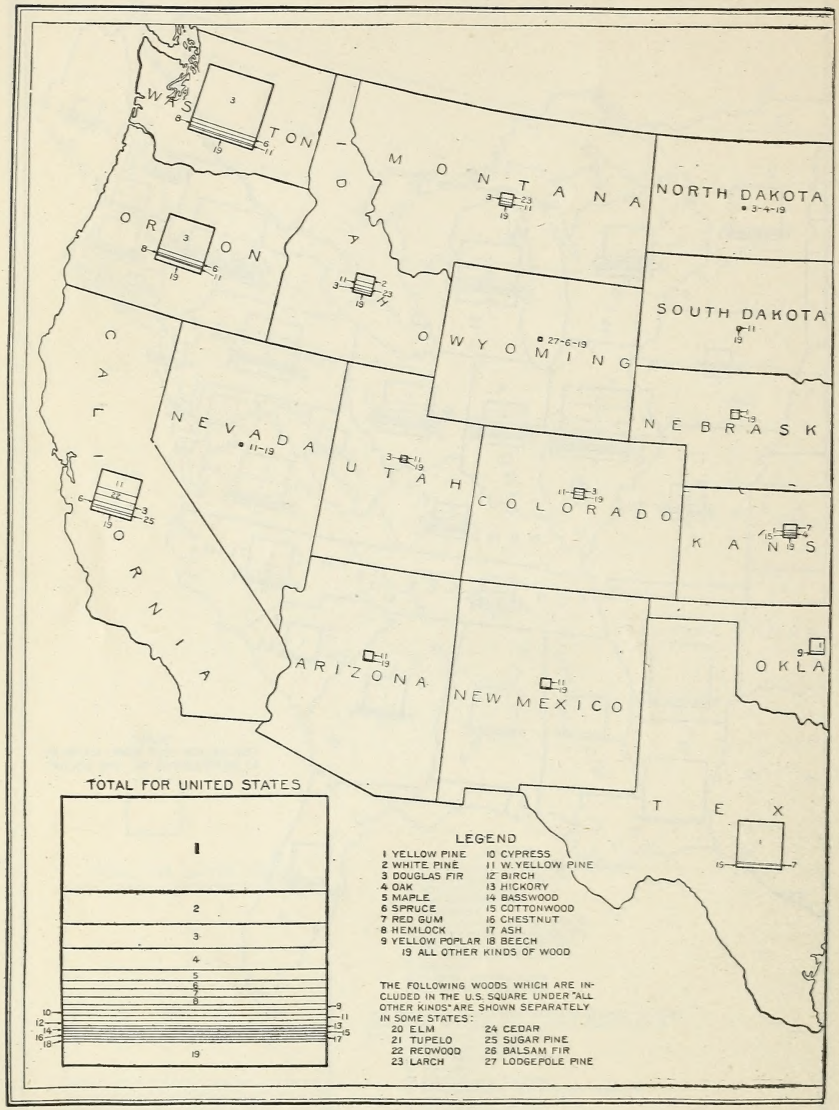
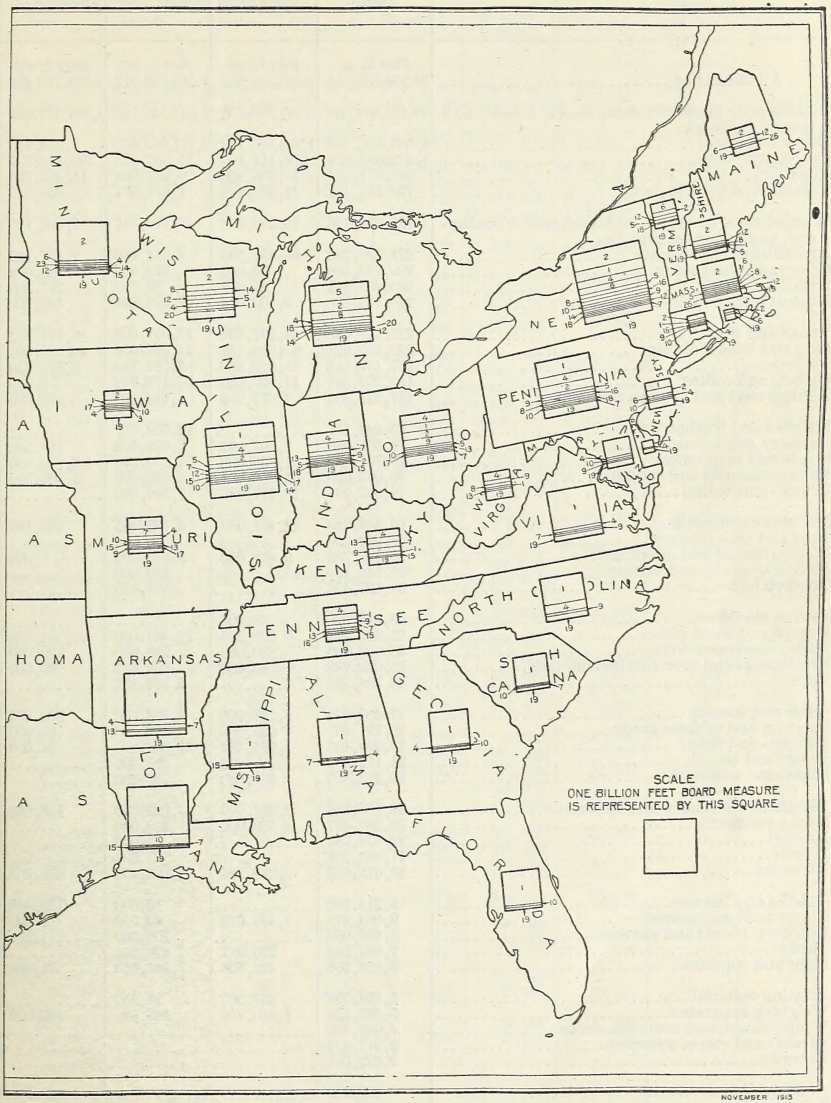


FIG. 2.—The annual consumption of wood by the



wood manufacturing industries (by kinds of wood).

TABLE 1.—*Quantity of each kind of wood used annually*

Industry.	Kind of wood.			
	Total.	Yellow pine.	White pine.	Douglas fir.
	Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
All industries	24,576,556,564	8,610,685,624	3,112,698,017	2,273,788,484
Planing-mill products, sash, doors, blinds, and general millwork.	13,428,862,066	6,447,780,805	1,543,345,756	1,991,177,352
Boxes and crates	4,550,016,430	1,044,993,123	1,131,969,940	7,349,840
Car construction	1,262,090,371	678,114,162	75,382,166	86,544,784
Furniture	944,677,807	18,926,400	9,332,808	11,387,790
Vehicles and vehicle parts	739,144,483	31,205,478	1,675,277	930,610
Woodenware, novelties, and dairymen's, poulterers', and apiarists' supplies.	405,286,436	18,566,406	47,744,797	2,005,175
Agricultural implements	321,239,336	98,453,396	8,243,440	2,537,250
Chairs and chair stock	289,790,560	20,000	815,068	65,000
Handles	280,234,571	67,000	25,500	247,200
Musical instruments	260,195,026	2,107,994	9,394,820	480,400
Tanks and silos	225,619,686	41,291,700	17,007,600	89,705,322
Ship and boat building	199,598,228	65,698,652	14,256,006	44,342,081
Fixtures	187,132,848	11,612,365	4,864,150	5,512,310
Caskets and coffins	153,394,557	11,970,650	33,170,942	6,000
Refrigerators and kitchen cabinets	137,616,266	7,872,931	8,613,186	543,600
Matches and toothpicks	85,442,111	.....	73,059,611	.....
Laundry appliances	79,502,040	1,397,000	3,026,870	184,500
Shade and map rollers	79,291,575	1,150,000	61,450,000	3,000,000
Paving material and conduits	76,067,000	65,092,000	1,850,000	3,500,000
Trunks and valises	74,667,997	15,277,990	7,299,500	.....
Machine construction	69,459,430	22,461,088	5,405,405	985,100
Boot and shoe findings	66,240,200	.....	.....	.....
Picture frames and molding	65,477,783	5,498,000	5,812,300	6,000
Shuttles, spools, and bobbins	65,148,190	.....	130,000	.....
Tobacco boxes	64,127,476	.....	199,425	.....
Sewing machines	59,946,527	65,000	.....	.....
Pumps and wood pipe	55,826,938	373,230	12,524,000	21,351,480
Pulleys and conveyors	35,862,900	250,000	285,000	129,000
Professional and scientific instruments	35,070,928	46,600	601,670	30,000
Toys	28,926,552	.....	2,367,131	.....
Gates and fencing	27,450,540	6,765,000	3,883,500	805,000
Sporting and athletic goods	25,191,907	943,000	805,300	85,000
Patterns and flasks	24,299,403	1,951,447	17,854,635	54,090
Bungs and faucets	21,112,342	.....	287,000	.....
Plumbers' woodwork	20,313,450	262,250	786,500	.....
Electrical machinery and apparatus	18,188,910	1,264,900	3,022,700	138,000
Mine equipment	16,987,697	1,263,000	239,000	.....
Brushes	12,878,986	.....	75,000	.....
Dowels	11,980,500	.....	25,000	.....
Elevators	10,018,680	3,622,868	1,692,450	415,200
Saddles and harness	9,218,000	.....	10,000	130,500
Playground equipment	9,064,812	1,448,012	42,000	1,000
Butchers' blocks and skewers	8,197,050	.....	200,000	.....
Clocks	7,894,249	926,571	476,064	.....
Signs and supplies	6,888,366	428,856	3,266,950	36,000
Printing material	5,324,794	337,000	11,550	.....
Weighing apparatus	5,021,550	1,180,750	168,000	102,900
Whips, canes, and umbrella sticks	4,946,880	.....	.....	.....
Brooms and carpet sweepers	2,277,334	.....	.....	.....
Firearms	2,093,901	.....	.....	.....
Artificial limbs	687,080	.....	.....	.....
Tobacco pipes	489,515	.....	.....	.....
Airplanes	74,300	.....	.....	.....

in the manufacture of wooden products.

Kind of wood—Continued.								
Oak.	Maple.	Spruce.	Red gum.	Hemlock.	Yellow poplar.	Cypress.	Western yellow pine.	Birch.
Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
1,983,584,491	919,420,274	805,050,195	797,343,658	708,752,769	680,936,848	668,353,342	563,816,810	481,293,680
501,367,772	317,634,231	350,528,295	121,366,583	442,050,165	236,047,697	508,728,575	264,920,778	133,867,989
56,362,111	96,831,648	335,935,643	402,121,640	203,526,091	165,416,737	38,962,895	288,291,927	90,787,900
305,276,814	5,789,298	8,799,060	1,035,640	12,455,379	32,439,064	1,676,400	4,242,500	5,830,429
431,653,289	87,571,456	2,270,500	102,237,867	7,053,446	53,374,580	3,477,800	1,806,985	54,677,450
212,918,361	35,863,267	835,650	26,650,314	448,678	48,665,960	1,320,951	182,300	14,227,125
7,716,860	38,255,880	28,591,148	8,358,296	2,136,522	7,278,889	8,693,450	262,500	29,547,890
69,346,130	48,319,210	2,623,500	11,976,000	1,257,400	12,412,300	2,682,000	219,000	4,704,000
135,269,118	47,264,747	10,000	8,790,280	216,000	1,140,000	----------	30,000	30,114,332
12,458,472	41,238,446	18,000	6,654,300	500,000	211,900	122,000	----------	9,908,250
20,638,480	45,482,775	29,144,150	9,243,825	615,600	40,371,925	70,000	----------	12,349,055
5,042,401	200,000	10,233,500	1,085,000	1,777,000	240,000	35,408,575	127,000	----------
32,382,311	1,014,167	7,783,980	164,000	4,745,775	448,077	5,014,741	518,500	1,055,167
62,681,744	20,701,026	2,016,816	5,491,170	473,300	14,574,881	3,364,550	961,720	15,255,129
7,544,255	110,000	1,760,000	7,010,520	1,985,000	9,640,860	19,157,633	543,500	191,000
31,351,521	6,375,242	5,555,690	13,483,400	6,934,872	5,985,729	1,700,500	50,000	3,628,106
----------	1,200,000	750,000	----------	----------	500,000	----------	----------	3,575,000
427,500	14,219,000	2,301,000	3,395,000	1,300,000	1,026,200	15,321,300	5,000	3,876,500
294,000	879,925	7,063,000	2,065,200	----------	326,000	20,000	----------	93,000
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4,500	5,047,000	1,759,850	1,783,005	7,000,000	2,988,500	1,275,000	361,000	71,500
8,295,864	3,597,981	729,775	206,500	3,268,191	2,208,577	15,868,405	2,000	470,406
3,000	54,050,000	----------	----------	----------	190,000	----------	----------	7,483,000
16,043,423	309,150	325,000	7,675,040	----------	2,158,814	451,000	----------	3,133,700
39,000	13,531,450	----------	270,000	----------	701,000	----------	----------	33,192,000
403,200	96,450	----------	6,898,270	----------	7,358,919	1,559,027	----------	----------
19,106,250	324,148	----------	20,774,280	----------	8,039,244	----------	----------	206,000
565,800	1,706,000	----------	3,089,628	----------	1,974,000	2,055,000	----------	55,500
7,343,500	2,436,000	177,000	19,677,500	200,000	400,000	3,000	5,000	745,000
372,100	4,425,167	16,000	75,500	----------	1,001,400	23,000	8,000	1,062,050
1,444,057	3,964,400	1,300	523,000	241,000	882,000	150,000	----------	3,123,950
2,640,700	140,000	1,071,000	----------	5,152,000	5,000	681,040	33,000	300,000
2,497,559	4,913,815	191,800	150,000	186,600	970,200	166,000	----------	983,233
182,200	118,150	478,238	1,000	580,600	344,330	74,000	136,500	7,000
250,600	854,900	110,000	325,000	----------	18,010,000	----------	1,200	305,000
14,031,200	388,300	----------	416,000	----------	819,000	25,000	----------	2,404,500
4,936,000	1,190,650	1,980,700	202,500	257,600	561,700	201,000	----------	804,200
4,826,472	949,200	----------	250,100	2,328,750	86,500	----------	----------	336,075
90,900	1,911,897	----------	284,800	----------	282,265	30,000	7,000	1,913,000
77,000	1,354,500	----------	15,000	----------	----------	----------	90,000	8,149,000
956,200	1,562,262	73,000	----------	1,003,800	334,600	10,000	10,000	28,000
1,248,000	1,450,500	----------	1,078,500	----------	22,200	----------	1,400	10,000
2,576,800	854,000	100,000	30,000	----------	85,000	----------	----------	147,500
12,000	2,145,650	----------	1,750,000	----------	----------	----------	----------	240,000
2,637,027	80,000	----------	37,000	----------	1,085,000	----------	----------	52,044
12,000	101,500	10,000	200,000	1,060,000	100,600	30,000	1,000,000	----------
272,100	703,786	----------	15,000	----------	150,000	30,000	----------	242,200
158,000	451,000	1,820,000	----------	5,000	73,000	500	----------	675,000
20,000	1,101,100	----------	20,000	----------	----------	----------	----------	580,000
405,000	564,500	----------	110,000	----------	----------	----------	----------	530,500
----------	----------	----------	345,000	----------	----------	----------	----------	----------
----------	147,100	----------	----------	----------	----------	----------	----------	353,000
----------	----------	----------	12,000	----------	----------	----------	----------	2,000
3,500	----------	46,600	----------	----------	4,200	----------	----------	----------

TABLE 1.—*Quantity of each kind of wood used annually*

Industry.	Kind of wood.			
	Hickory.	Basswood.	Cottonwood.	Chestnut.
	Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
All industries	389,604,531	369,640,782	322,642,796	298,849,801
Planing-mill products, sash, doors, blinds, and general millwork	2,489,288	60,557,122	21,428,700	82,267,497
Boxes and crates	767,920	86,979,611	210,519,509	36,216,700
Car construction	1,226,706	5,148,521	3,037,468	825,074
Furniture	843,600	33,146,276	5,158,309	44,734,180
Vehicles and vehicle parts	239,491,910	6,418,308	33,278,658	972,809
Woodenware, novelties, and dairymen's, poulterers', and apiarists' supplies	1,567,011	58,563,923	13,315,296	20,853,100
Agricultural implements	9,860,470	7,861,750	15,143,000	884,000
Chairs and chair stock	1,192,200	1,758,338	126,000	5,240,630
Handles	120,294,466	2,285,885	27,000	10,000
Musical instruments	225	10,968,180	2,351,000	38,125,141
Tanks and silos		5,000		15,000
Ship and boat building	110,195	959,000	14,026	751,295
Fixtures	26,000	7,114,755	1,553,351	8,039,595
Caskets and coffins		2,728,038	555,000	46,586,629
Refrigerators and kitchen cabinets	150,000	5,221,634	4,420,322	1,508,753
Matches and toothpicks		5,575,000	375,000	
Laundry appliances		4,980,670	7,991,500	20,500
Shade and map rollers	2,500	702,500		460,000
Paving material and conduits				
Trunks and valises	173,700	21,164,406	1,973,325	562,500
Machine construction	1,113,135	1,155,403	293,000	272,375
Boot and shoe findings	25,000	3,599,200	5,000	
Picture frames and molding	10,000	20,340,700	1,000	1,314,650
Shuttles, spools, and bobbins	872,000	1,947,000	175,000	
Tobacco boxes		4,206,250	6,750	
Sewing machines		310,000	326,912	540,000
Pumps and wood pipe	925,000			
Pulleys and conveyors		625,000	42,000	120,000
Professional and scientific instruments	971,332	2,619,070	170	367,000
Toys		8,739,242	257,000	966,268
Gates and fencing	600	50,000		5,121,500
Sporting and athletic goods	4,944,000	318,600	60,000	222,000
Patterns and flasks		123,500		175,200
Bungs and faucets	6,000			
Plumbers' woodwork		245,000		114,000
Electrical machinery and apparatus		299,000	7,500	112,700
Mine equipment	816,363			854,405
Brushes	125,000	758,300	50,000	31,500
Dowels	30,500	167,500	5,000	
Elevators	100	10,000		19,000
Saddles and harness	12,800	52,000	46,000	
Playground equipment	100,000			
Butchers' blocks and skewers	1,310,000			
Clocks		1,415,000		290,000
Signs and supplies		100,000	100,000	
Printing material	20,500	352,600		255,800
Weighing apparatus		35,000		
Whips, canes, and umbrella sticks	84,000	32,500		
Brooms and carpet sweepers				
Firearms				
Artificial limbs	40,010	1,000		
Tobacco pipes				
Airplanes	2,000			

in the manufacture of wooden products—Continued.

Kind of wood—Continued.								
Ash.	Beech.	Elm.	Tupelo.	Redwood.	Larch.	Cedar.	Sugar pine.	Balsam fir.
Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
295,461,482	278,203,632	218,200,988	127,958,309	122,326,779	114,029,275	102,248,253	59,211,298	53,262,030
21,304,374	58,394,284	6,218,860	17,003,448	92,759,519	88,484,081	45,187,611	31,795,077	10,863,300
10,507,308	77,899,280	63,726,458	74,982,910	2,439,500	7,470,300	2,512,150	24,686,000	40,173,700
18,163,433	1,873,700	1,221,121	114,168	120,000	1,537,669	339,487	61,328	700,750
15,668,588	21,163,204	12,154,102	2,529,000	355,250	154,000	1,856,100	375,510	.....
43,974,668	5,497,743	31,296,922	1,067,600	259,000	.....	2,500	6,000	1,000
62,635,800	14,101,553	16,383,426	5,366,900	3,208,150	416,700	6,405,470	419,063	586,880
10,677,400	4,968,490	7,249,000	1,140,000	200,500	100,000	.....	50,000	.....
2,765,050	27,187,621	23,157,586	191,000	.....	.....	34,500	.....	.....
64,156,872	16,691,207	3,060,307	.....	.....	.....	.....	.....	.....
2,377,332	4,186,000	15,602,440	460,000	286,200	.....	17,500	1,004,400	101,400
866,000	150,000	15,000	20,000	8,124,938	9,745,000	4,549,400	10,750	.....
7,985,554	219,366	706,600	138,490	837,500	328,525	6,999,722	200,500	.....
2,783,822	1,109,000	6,368,275	248,000	1,074,710	2,000	977,345	206,650	.....
20,000	.....	.....	500,000	1,782,000	.....	5,901,718	.....	.....
19,066,380	787,000	13,046,100	39,500	161,000	56,000	.....	.....	710,000
.....	.....	.....	.....	.....	.....	407,500	.....	.....
111,500	9,580,000	1,365,000	3,842,000	13,000	.....	4,867,000	2,000	100,000
161,150	362,000	.....	1,006,000	2,000	.....	5,000	30,000	.....
.....	.....	.....	1,050,000	.....	4,475,000	100,000	.....	.....
534,435	520,000	6,409,286	.....	.....	.....	6,000	11,000	25,000
1,404,362	711,000	831,000	27,500	58,500	.....	100	4,000	.....
.....	445,000	2,000	.....	.....	.....	.....	.....	.....
281,845	1,200,595	43,000	240,000	47,632	.....	.....	2,730	.....
437,000	3,523,500	.....	250,000	.....	.....	.....	.....	.....
.....	.....	1,809,000	10,376,217	61,000	.....	246,750	.....	.....
.....	.....	.....	2,200,000	16,000	.....	.....	.....	.....
975,500	52,500	20,000	529,500	9,117,500	512,000	.....	.....	.....
512,100	1,976,000	200,000	639,000	.....	.....	.....	.....	.....
123,600	1,259,600	200	12,000	31,220	.....	20,050,000	23,500	.....
895,300	3,221,506	2,042,055	5,000	.....	.....	.....	.....	.....
700	.....	155,000	.....	133,000	48,000	465,500	.....	.....
3,180,000	212,000	3,226,750	20,000	.....	.....	222,500	.....	.....
35,000	10,500	40,000	500	1,033,200	.....	265,400	294,350	.....
.....	850,000	.....	.....	2,000	.....	30,000	.....	.....
536,000	.....	55,000	.....	.....	.....	.....	.....	.....
87,000	425,000	463,000	.....	.....	700,000	735,000	.....	.....
43,425	1,195,525	8,800	3,589,760	.....	.....	.....	.....	.....
36,400	6,378,894	187,000	1,000	.....	.....	24,000	3,440	.....
29,000	1,834,000	175,000	.....	.....	.....	18,000	.....	.....
145,700	.....	68,500	15,000	36,000	.....	.....	15,000	.....
2,103,000	2,658,600	276,000	20,000	.....	.....	.....	10,000	.....
180,000	3,083,500	334,000	1,000	.....	.....	.....	.....	.....
20,000	920,000	.....	.....	.....	.....	.....	.....	.....
.....	9,714	.....	322,816	.....	.....	.....	.....	.....
.....	.....	200,000	.....	147,460	.....	20,000	.....	.....
391,000	289,900	84,200	10,000	20,000	.....	.....	.....	.....
5,900	335,000	.....	.....	.....	.....	.....	.....	.....
30,000	2,822,500	.....	.....	.....	.....	2,000	.....	.....
236,984	98,350	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
12,000	.....	.....	.....	.....	.....	.....	.....	.....

TABLE 1.—*Quantity of each kind of wood used annually*

Industry.	Kind of wood.			
	Mahogany.	Spanish cedar.	Sycamore.	Black walnut.
	Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
All industries	50,575,999	30,323,441	26,052,812	23,988,346
Planing-mill products, sash, doors, blinds, and general millwork	7,336,932	8,123	1,723,550	4,606,420
Boxes and crates	13,000		16,451,693	163,230
Car construction	5,986,198			256,181
Furniture	15,637,125	2,500	1,474,882	1,689,957
Vehicles and vehicle parts	516,399	500	62,600	390,450
Woodenware, novelties, and dairymen's, poulterers', and apiarists' supplies	72,305	10,000	607,500	38,547
Agricultural implements	500		290,000	8,000
Chairs and chair stock	2,455,700		971,344	263,200
Handles	29,000		156,000	29,050
Musical instruments	8,610,355	7,750	304,600	4,991,808
Tanks and silos				
Ship and boat building	1,190,192	27,300	38,000	3,750
Fixtures	5,527,819		713,000	660,635
Caskets and coffins	1,528,294	300		474,000
Refrigerators and kitchen cabinets	6,800		340,000	
Matches and toothpicks				
Laundry appliances			2,000	20,000
Shade and map rollers	5,000		202,000	2,000
Paving material and conduits				
Trunks and valises	500		5,000	
Machine construction	5,885			10,817
Boot and shoe findings				
Picture frames and molding	171,200		30,000	125,004
Shuttles, spools, and bobbins				
Tobacco boxes	161,200	30,203,068	430,000	
Sewing machines	91,878		150,000	7,796,815
Pumps and wood pipe				
Pulleys and conveyors				
Professional and scientific instruments	84,862			71,200
Toys			91,343	
Gates and fencing				
Sporting and athletic goods	100,000	31,500	30,500	41,000
Patterns and flasks	271,659	31,400		21,500
Bungs and faucets				56,000
Plumbers' woodwork	127,000			10,300
Electrical machinery and apparatus	301,700			452,600
Mine equipment				
Brushes	35,300	1,000	74,300	26,700
Dowels				
Elevators	1,000			
Saddles and harness			34,500	
Playground equipment				
Butchers' blocks and skewers			1,600,000	
Clocks	204,196			58,527
Signs and supplies				
Printing material	48,500			
Weighing apparatus	4,000			
Whips, canes, and umbrella sticks	15,000			20,000
Brooms and carpet sweepers	30,500		270,000	500
Firearms				1,700,135
Artificial limbs				
Tobacco pipes				
Airplanes	6,000			

in the manufacture of wooden products—Continued.

Kind of wood—Continued.								
Cherry.	White fir.	Willow.	Dogwood.	Noble fir.	Magnolia.	Buckeye.	Persimmon.	Cucumber.
Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
12,047,210	11,338,580	10,664,770	7,518,177	6,653,500	6,156,500	5,486,047	3,571,760	2,660,700
1,674,235	8,162,250	266,000	6,000		116,900	694,400		1,415,800
170,500	3,142,080	10,004,600		6,653,500	5,449,000	3,174,028		524,000
1,965,570								
622,530		40,000			477,100	415,000	35,000	16,000
39,650	3,000				9,500	63,419		3,800
62,350	31,250	128,000	34			83,700		650,000
300								1,100
56,000								
617,500		19,000	190,230				7,000	
334,180						6,000		
500								
184,976		1,000						
2,231,750		150,000			27,000	10,000		
33,000						207,500		20,000
7,500								
2,000						125,000		
2,000								
						415,000		
60,500								
25,000							413,000	
10,000						214,000		20,000
5,000			7,060,425				2,909,760	
					75,000			
								10,000
732,750			31,200					
2,000								
600			6,000				206,000	
165,594						3,000		
92,400								
27,800								
			147,288					
488,900			9,000		2,000		1,000	
10,000			1,000					
15,000			67,000					
300,000								
						75,000		
2,089,625								
7,500								
10,000		56,170						

TABLE 1.—*Quantity of each kind of wood used annually*

Industry.	Kind of wood.			
	Butternut.	Red alder.	Lodgepole pine.	Red fir.
	Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
All industries	2,310,793	2,248,700	1,979,500	1,854,830
Planing-mill products, sash, doors, blinds, and general millwork	231,700	436,000	969,500	524,000
Boxes and crates	578,000			1,328,330
Car construction	1,300		1,000,000	
Furniture	593,500	792,500	1,000	2,500
Vehicles and vehicle parts	11,500		8,000	
Woodenware, novelties, and dairymen's, poulterers', and apiarists' supplies	159,000	20,000		
Agricultural implements	10,000			
Chairs and chair stock	20,546	625,000		
Handles	2,000	361,700		
Musical instruments	98,100			
Tanks and silos				
Ship and boat building	78,237			
Fixtures	393,600			
Caskets and coffins	16,000		1,000	
Refrigerators and kitchen cabinets				
Matches and toothpicks				
Laundry appliances				
Shade and map rollers	5,000			
Paving material and conduits				
Trunks and valises				
Machine construction	5,000			
Boot and shoe findings				
Picture frames and molding				
Shuttles, spools, and bobbins				
Tobacco boxes				
Sewing machines				
Pumps and wood pipe				
Pulleys and conveyors	10,000	5,500		
Professional and scientific instruments	30,000			
Toys	10,000			
Gates and fencing				
Sporting and athletic goods				
Patterns and flasks	42,710			
Bungs and faucets	14,600			
Plumbers' woodwork				
Electrical machinery and apparatus				
Mine equipment				
Brushes				
Dowels				
Elevators				
Saddles and harness		8,000		
Playground equipment				
Butchers' blocks and skewers				
Clocks				
Signs and supplies				
Printing material				
Weighing apparatus				
Whips, canes, and umbrella sticks				
Brooms and carpet sweepers				
Firearms				
Artificial limbs				
Tobacco pipes				
Airplanes				

in the manufacture of wooden products—Continued.

Kind of wood—Continued.								
Circassian walnut.	Padouk.	Hackberry.	Lignum-vitæ.	Teak.	West Indian boxwood.	Alpine fir.	Locust.	Hornbeam.
Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
1,744,779	1,386,530	1,128,000	952,126	926,969	870,412	780,000	639,228	608,484
740,212	333,792	441,000		114,245		270,000	220,000	19,000
		315,000				500,000		
1,300	723,063			31,000				
452,040	230,100	70,000	593,663	1,690			2,000	15,000
16,820	1,000	100,000					110,350	126,000
14,857		150,000	1,000		2,100	10,000	50,500	10,000
								1,200
8,300	3,000							
			1,500		37,556		4,000	415,500
268,415					70,328			
25,000	8,375		10,631	764,309			215,028	
99,050	85,000	6,000	785	1,125			1,000	
5,000								
500								
100				2,000				
			961				2,500	100
7,000								
					103,440			
250								
			72,300					
			37,236	1,000	653,848			
25,000			234,050	10,000				
	1,600			1,600			500	
13,400							2,000	
							31,350	21,684
	600				3,140			
		46,000						
20,500								
47,035								

TABLE 1.—*Quantity of each kind of wood used annually*

Industry.	Kind of wood.				
	Ebony.	Osage orange.	Rose-wood.	Prima vera.	Sassafras.
	Feet b. m.	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*	*Feet b. m.*
All industries	528,812	520,076	471,734	380,568	360,268
Planing-mill products, sash, doors, blinds, and general millwork	50,600		6,100	121,973	336,000
Boxes and crates					
Car construction		30,000	37,000	25,350	
Furniture	5,450	1,000	15,280	67,500	12,000
Vehicles and vehicle parts		439,026	1,100		
Woodenware, novelties, and dairymen's, poulterers', and apiarists' supplies	1,045	50,000	3,613		1,500
Agricultural implements					
Chairs and chair stock					
Handles	4,664		15,456		
Musical instruments	60,373		49,645	4,300	
Tanks and silos					
Ship and boat building		50	1,600	31,750	50
Fixtures	1,800		52,925	129,595	10,000
Caskets and coffins					718
Refrigerators and kitchen cabinets					
Matches and toothpicks					
Laundry appliances					
Shade and map rollers			1,000	100	
Paving material and conduits					
Trunks and valises					
Machine construction					
Boot and shoe findings					
Picture frames and molding	1,330		2,420		
Shuttles, spools, and bobbins					
Tobacco boxes			100		
Sewing machines					
Pumps and wood pipe					
Pulleys and conveyors					
Professional and scientific instruments	500		219,353		
Toys					
Gates and fencing					
Sporting and athletic goods	189,000		24,400		
Patterns and flasks					
Bungs and faucets			10,642		
Plumbers' woodwork			1,000		
Electrical machinery and apparatus			2,260		
Mine equipment					
Brushes	10,100		12,050		
Dowels					
Elevators					
Saddles and harness					
Playground equipment					
Butchers' blocks and skewers					
Clocks			290		
Signs and supplies					
Printing material					
Weighing apparatus					
Whips, canes, and umbrella sticks	194,150				
Brooms and carpet sweepers			5,500		
Firearms					
Artificial limbs			10,000		
Tobacco pipes	9,800				
Airplanes					

in the manufacture of wooden products—Continued.

Kind of wood—Continued.										
Eucalyptus.	Applewood.	Cocobola.	Yucca.	Holly.	Laurel.	Satinwood.	Koko.	Turkish boxwood.	Miscellaneous foreign.	Miscellaneous native.
Feet b.m.	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*	*Feet b.m.*
338,800	320,935	279,400	172,300	86,680	72,400	67,958	32,600	29,189	630,345	432,158
4,200			60,000	500	1,600	34,000			106,125	261,750
	13,800		3,500							101,308
						288	32,000		46,000	
5,500	500			100	13,600	22,070			46,580	15,650
40,950	1,000								330	8,000
		2,400	69,000	60,000	4,200					12,450
10,000										10,000
	156,400	210,000						225	985	
1,000				3,580		5,100		25	625	
273,050	1,500	200			47,500				20,500	1,000
100					500	1,000	500		17,000	
						5,000				
							100			
4,000										
									2,250	
								1,575	40	
									36,600	
	300									
	25,000	64,800								
				1,500						
		2,000		21,000		500			1,000	
	1,000							33		
								25,600	30	
					5,000			1,731		
			39,800						30,000	
	121,435								322,280	22,000

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